

Facility ID: 1318002965 Issuance type: Title V Proposed Permit

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part III" and before "I. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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## Part II - Specific Facility Terms and Conditions

### a State and Federally Enforceable Section

1. The following insignificant emissions units are located at this facility:

T001 - 4,000-gallon underground storage tank (PTI# 13-2558);  
G001 - 4,000-gallon underground storage tank for gasoline (PTI# 13-3787);  
Z001 - 400 kW emergency generator P-4 (OAC rule 3745-31-03(A)(4)(b));  
Z002 - 650 kW emergency generator P-8 (OAC rule 3745-31-03(A)(4)(b));  
Z003 - 800 kW emergency generator P-9 (OAC rule 3745-31-03(A)(4)(b));  
Z004 - 650 kW emergency generator P-10 (OAC rule 3745-31-03(A)(4)(b));  
Z005 - 856 kW emergency generator P-11 (OAC rule 3745-31-03(A)(4)(b));  
Z006 - 800 kW emergency generator P-12 (OAC rule 3745-31-03(A)(4)(b));  
Z007 - 500 kW emergency generator P-13 (OAC rule 3745-31-03(A)(4)(b));  
Z008 - 500 kW emergency generator P-14 (OAC rule 3745-31-03(A)(4)(b));  
Z009 - 900 kW emergency generator P-15 (OAC rule 3745-31-03(A)(4)(b));  
Z010 - 900 kW emergency generator P-16 (OAC rule 3745-31-03(A)(4)(b));  
Z011 - 125 kW emergency generator P-17 (OAC rule 3745-31-03(A)(4)(b));  
Z012 - 139 kW emergency generator P-18 (OAC rule 3745-31-03(A)(4)(b));  
Z013 - 139 kW emergency generator P-19 (OAC rule 3745-31-03(A)(4)(b));  
Z014 - 140 kW emergency generator L-1 (OAC rule 3745-31-03(A)(4)(b));  
Z015 - 140 kW emergency generator L-2 (OAC rule 3745-31-03(A)(4)(b));  
Z016 - 140 kW emergency generator L-3 (OAC rule 3745-31-03(A)(4)(b));  
Z017 - 350 kW emergency generator L-5 (OAC rule 3745-31-03(A)(4)(b)); and  
Z018 - 350 kW emergency generator L-6 (OAC rule 3745-31-03(A)(4)(b)).

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, and well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more of the applicable requirements contained in the federally-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21.

[Authority for term: OAC rule 3745-77-07(A)(13)]

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### b State Only Enforceable Section

1. None

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**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 1318002965 Emissions Unit ID: B004 Issuance type: Title V Proposed Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u>                                      | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u>  |
|--|--------------------------------------|---|
| Babcock & Wilcox boiler rated at 91 mmBtu/hr - natural gas-fired, No.2 oil standby | OAC rule 3745-17-07(A)               | Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule. |
|  | OAC rule 3745-17-10(B)(1)            | Particulate emissions shall not exceed 0.020 lb per mmBtu of actual heat input.   |
|  | OAC rule 3745-18-06(D)               | Sulfur dioxide emissions shall not exceed 1.6 lbs per mmBtu of actual heat input.   |
|  | OAC rule 3745-21-08(B)               | See Section A.I.2.a below.  |
|  | OAC rule 3745-23-06(B)               | See Section A.I.2.b below.  |

**2. Additional Terms and Conditions**

- a. The design of the emissions unit and the technology associated with the current operating practices will satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08.
  - (a) On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.
- b. The design of the emissions unit and the technology associated with the current operating practices will satisfy the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06.
 

On February 15, 2005, OAC rule 3745-23-06 was rescinded; therefore, this rule is no longer part of the State regulations. This rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-23-06, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

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**II. Operational Restrictions**

1. The permittee shall burn only natural gas and/or No.2 fuel oil in this emissions unit.
 

[Authority for term: OAC rule 3745-77-07(A)(1)]
2. The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I.1 above.

[Authority for term: OAC rule 3745-77-07(A)(1)]

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

a. Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

b. Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E)(3) and 3745-18-04(F)]

2. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Cleveland Division of Air Quality (Cleveland DAQ).

[Authority for term: OAC rule 3745-77-07(C)(1)]

3. For each day during which the permittee burns a fuel other than natural gas and/or No.2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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IV. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall notify the Cleveland DAQ in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Cleveland DAQ within 45 days after the deviation occurs.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation -  
Particulate emissions shall not exceed 0.020 lb per mmBtu of actual heat input.

Applicable Compliance Method -

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (91,000 cu.ft/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98) emission factor for PM/PM10 (1.9 lbs/mcf) and dividing by the maximum hourly heat input capacity of the emissions unit (91 mmBtu/hr). For the use of No. 2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (480 gal/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) emission factor for

PM/PM10 (2 lbs/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (91 mmBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10) while firing No.2 fuel oil.

[Authority for term: OAC rules 3745-17-03(B)(10) and 3745-77-07(C)(1)]

- b. Emission Limitation-  
Sulfur dioxide emissions shall not exceed 1.6 lbs/mmBtu.

Applicable Compliance Method-  
Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

[Authority for term: OAC rules 3745-18-04(E), 3745-77-07(C)(1) and 3745-18-04(F)(2)]

- c. Emission Limitation -  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method(s) -  
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

[Authority for term: OAC rules 3745-17-03(B)(1) and 3745-77-07(C)(1)]

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VI. **Miscellaneous Requirements**

- 1. This emissions unit was installed in 1968. Therefore, this emissions unit is not subject to 40 CFR Part 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

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Facility ID: 1318002965 Emissions Unit ID: B004 Issuance type: Title V Proposed Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|--------------------------------------|--|
|---|--------------------------------------|--|

2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1318002965 Emissions Unit ID: B006 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u>            | <u>Applicable Rules/Requirements</u>                        | <u>Applicable Emissions Limitations/Control Measures</u>   |
|--|---|--|
| 23.6 mmBtu/hr natural gas-fired boiler, No.2 oil standby | OAC rule 3745-31-05(A)(3)<br>(PTI#13-03759 issued 3/1/2001) | From burning natural gas:<br>2.36 lbs/hr NOx emissions<br>1.98 lbs/hr CO emissions<br>0.13 lb/hr VOC emissions<br>0.01 lb/hr SO2 emissions<br>0.18 lb/hr of PM/PM10 emissions<br>See Section A.I.2.a below.  |
|  |   | From burning No.2 fuel oil:<br>3.37 lbs/hr NOx emissions<br>0.84 lb/hr CO emissions<br>0.34 lb/hr of PM/PM10 emissions<br>See Section A.I.2.b below.   |
|  | OAC rule 3745-17-07(A)                                      | The requirements established pursuant to this rule also include the requirements of OAC rules 3745-21-08(B), 3745-23-06(B), 3745-17-07(A) and 3745-31-05(C) and 40 CFR Part 60, Subpart Dc.<br>Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule. |

|                                |   |
|--------------------------------|---|
| OAC rule 3745-17-10(B)(1)      | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).  |
| OAC rule 3745-18-06(D)         | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart Dc. |
| 40 CFR Part 60, Subpart Dc     | 0.5 lb/mmBtu of SO2 emissions   |
| OAC rule 3745-31-05(C)         | When firing natural gas:  |
| (PTI#13-03759 issued 3/1/2001) | 21.3 TPY NOx as a 12-month rolling summation  |
| Synthetic Minor to avoid PSD   | When firing No.2 fuel oil:  |
|                                | 29.5 TPY SO2 as a 12-month rolling summation  |
|                                | 8.43 TPY NOx as a 12-month rolling summation  |
| OAC rule 3745-21-08(B)         | See Section A.I.2.c below.  |
| OAC rule 3745-23-06(B)         | See Section A.I.2.d below.  |

2. **Additional Terms and Conditions**

- a. When firing natural gas, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:

- (a) NOx 21.3 TPY  
CO 17.9 TPY  
VOC 1.17 TPY  
SO2 0.13 TPY  
PM/PM10 1.62 TPY

- b. When firing No.2 fuel oil, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:

- NOx 8.43 TPY  
CO 2.11 TPY  
SO2 29.5 TPY  
PM/PM10 0.84 TPY

- c. The design of the emissions unit and the technology associated with the current operating practices will satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- d. The design of the emissions unit and the technology associated with the current operating practices will satisfy the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06.

On February 15, 2005, OAC rule 3745-23-06 was rescinded; therefore, this rule is no longer part of the State regulations. This rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-23-06, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

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II. **Operational Restrictions**

1. The permittee shall burn only natural gas and/or No.2 fuel oil in this emissions unit.  
[Authority for term: OAC rules 3745-77-07(A)(1) and 3745-31-05(A)(3) and PTI#13-03759]
2. The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I.1 above.  
[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]
3. The combined maximum annual No.2 fuel oil usage for sources B006-B010 shall not exceed 842,857 gallons based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.  
[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]
4. The maximum annual natural gas usage for emissions units B006-B010 shall not exceed 426.5 mmcf, based upon a rolling, 12-month summation of the natural gas usage rate figures.  
[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]

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### III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or No.2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

2. The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

#### a. Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

#### b. Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E)(3), 3745-18-04(F) and 3745-31-05(A)(3) and PTI#13-03759]

3. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Cleveland DAQ.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

4. The permittee shall maintain monthly records of the following information for emissions units B006-B010 combined:

- a. the No.2 fuel oil usage rate for each month, in gallons;
- b. the rolling, 12-month summation of the No.2 fuel oil usage rates;
- c. the amount of natural gas burned for each month, in mmcf; and
- d. the rolling, 12-month summation of natural gas burned in these emissions units.

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]

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### IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

2. The permittee shall notify the Cleveland DAQ in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Cleveland DAQ within 45 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

3. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the rolling, 12-month No.2 fuel oil usage limitation. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

4. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the rolling, 12-month natural gas usage limitation. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

5. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit. Each report shall be submitted within 30

days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation -  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method(s) -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9 when burning number two fuel oil.

[Authority for term: OAC rules 3745-17-03(B)(1), 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- b. Emission Limitation -  
2.36 lbs/hr of NO<sub>x</sub> emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for NO<sub>x</sub> (100 lbs NO<sub>x</sub>/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- c. Emission Limitation -  
21.3 TPY of NO<sub>x</sub> emissions when burning natural gas (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for NO<sub>x</sub> (100 lbs NO<sub>x</sub>/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- d. Emission Limitation -  
1.98 lbs/hr of CO emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for CO (84 lbs CO/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- e. Emission Limitation -  
17.9 TPY of CO emissions when burning natural gas (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for CO (84 lbs CO/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- f. Emission Limitation -  
0.13 lb/hr of VOC emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for VOC (5.5 lbs VOC/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25 or 25A.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- g. Emission Limitation -  
1.17 TPY of VOC emissions when burning natural gas (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs VOC/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- h. Emission Limitation -  
0.01 lb/hr of SO<sub>2</sub> emissions when burning natural gas
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for SO<sub>2</sub> (0.6 lbs SO<sub>2</sub>/mmcf).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- i. Emission Limitation -  
0.13 TPY of SO<sub>2</sub> emissions when burning natural gas (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for SO<sub>2</sub> (0.6 lbs SO<sub>2</sub>/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- j. Emission Limitation -  
0.18 lb/hr of PM/PM<sub>10</sub> emissions when burning natural gas
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for PM/PM<sub>10</sub> (7.6 lbs PM/PM<sub>10</sub>/mmcf).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and 202.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- k. Emission Limitation -  
1.62 TPY of PM/PM<sub>10</sub> emissions when burning natural gas (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for PM/PM<sub>10</sub> (7.6 lbs PM/PM<sub>10</sub>/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- l. Emission Limitation -  
3.37 lbs/hr of NO<sub>x</sub> emissions when burning No.2 fuel oil
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) emission factor for NO<sub>x</sub> (20 lbs/1000 gals).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- m. Emission Limitation -

## 8.43 TPY of NOx emissions when burning No.2 fuel oil (combined for B006 - B010)

## Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

n. Emission Limitation -  
0.84 lb/hr of CO emissions when burning No.2 fuel oil

## Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) for CO (5 lbs/1000 gals).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

o. Emission Limitation -  
2.11 TPY of CO emissions when burning No.2 fuel oil (combined for B006 - B010)

## Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

p. Emission Limitation -  
0.34 lb/hr of PM/PM10 emissions when burning No.2 fuel oil

## Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) for PM/PM10 (2 lbs/1000 gals).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

q. Emission Limitation -  
0.84 TPY of PM/PM10 emissions when burning No.2 fuel oil (combined for B006 - B010)

## Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

r. Emission Limitation -  
0.5 lb/mmBtu of SO2 emissions when burning No.2 fuel oil

## Applicable Compliance Method -

Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E) and 3745-31-05(A)(3) and PTI#13-03759]

s. Emission Limitation -  
29.5 TPY of SO2 emissions when burning No.2 fuel oil (combined for B006 - B010)

## Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the 0.5 lb/mmBtu of SO2 emission limitation by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs). Therefore, compliance with the TPY emission limitation shall be assumed provided compliance is shown with the lb/mmBtu emission limitation and the rolling, 12-month No.2 fuel oil usage limitation.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- t. Emission Limitation-  
From burning natural gas  
21.3 TPY NOx as a 12-month rolling summation

Applicable Compliance Method -  
Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for NOx (100 lbs NOx/mmcf) by the rolling, 12-month summation of the natural gas usage rates for emissions units B006-B010 combined (mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- u. Emission Limitation -  
From burning No.2 fuel oil:  
29.5 TPY SO2 as a 12-month rolling summation

Applicable Compliance Method -  
Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the lb/mmBtu emission limitation for SO2 (as demonstrated through the applicable compliance method outlined in Section A.V.1.r) by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the rolling, 12-month summation of the No.2 fuel oil usage rates for emissions units B006-B010 combined (gallons) and the factor (1.0 ton/2000 lbs). Therefore, compliance with the TPY emission limitation shall be assumed provided compliance is shown with the lb/mmBtu emission limitation and the rolling, 12-month No.2 fuel oil usage limitation.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- v. Emission Limitation -  
From burning No.2 fuel oil:  
8.43 TPY NOx as a 12-month rolling summation

Applicable Compliance Method -  
Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) emission factor for NOx (20 lb/1000 gal) by the rolling, 12-month summation of the No.2 fuel oil usage rates for emissions units B006-B010 combined (gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

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VI. **Miscellaneous Requirements**

- 1. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the monitoring and record keeping, reporting, and testing requirements contained in this Title V permit are as stringent as or more stringent than the monitoring and record keeping, reporting, and testing requirements contained in Permit to Install 13-03759. The monitoring and record keeping, reporting, and testing requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping, reporting, and testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping, reporting, and testing requirements in the Permit to Install.

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**Facility ID: 1318002965 Emissions Unit ID: B006 Issuance type: Title V Proposed Permit**

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall

not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|--------------------------------------|--|
| <b>2. Additional Terms and Conditions</b>     |                                      |  |
| 1. None                                       |                                      |  |

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**II. Operational Restrictions**

1. None

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**III. Monitoring and/or Record Keeping Requirements**

1. None

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**IV. Reporting Requirements**

1. None

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**V. Testing Requirements**

1. None

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**VI. Miscellaneous Requirements**

1. None

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**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 1318002965 Emissions Unit ID: B007 Issuance type: Title V Proposed Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u>            | <u>Applicable Rules/Requirements</u>                     | <u>Applicable Emissions Limitations/Control Measures</u>  |
|--|--|---|
| 23.6 mmBtu/hr natural gas-fired boiler, No.2 oil standby | OAC rule 3745-31-05(A)(3) (PTI#13-03759 issued 3/1/2001) | From burning natural gas:<br>2.36 lbs/hr NOx emissions<br>1.98 lbs/hr CO emissions<br>0.13 lb/hr VOC emissions<br>0.01 lb/hr SO2 emissions<br>0.18 lb/hr of PM/PM10 emissions<br>See Section A.I.2.a below. |

From burning No.2 fuel oil:  
 3.37 lbs/hr NOx emissions  
 0.84 lb/hr CO emissions  
 0.34 lb/hr of PM/PM10 emissions  
 See Section A.I.2.b below.

The requirements established pursuant to this rule also include the requirements of OAC rules 3745-21-08(B), 3745-23-06(B), 3745-17-07(A) and 3745-31-05(C) and 40 CFR Part 60, Subpart Dc.

|  |   |
|--|---|
| OAC rule 3745-17-07(A)                                   | Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.                     |
| OAC rule 3745-17-10(B)(1)                                | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).  |
| OAC rule 3745-18-06(D)                                   | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart Dc. |
| 40 CFR Part 60, Subpart Dc                               | 0.5 lb/mmBtu of SO2 emissions   |
| OAC rule 3745-31-05(C)<br>(PTI#13-03759 issued 3/1/2001) | When firing natural gas:<br>21.3 TPY NOx as a 12-month rolling summation  |
| Synthetic Minor to avoid PSD                             | When firing No.2 fuel oil:<br>29.5 TPY SO2 as a 12-month rolling summation<br>8.43 TPY NOx as a 12-month rolling summation                        |
| OAC rule 3745-21-08(B)                                   | See Section A.I.2.c below.  |
| OAC rule 3745-23-06(B)                                   | See Section A.I.2.d below.  |

2. **Additional Terms and Conditions**

- a. When firing natural gas, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:
- (a) NOx 21.3 TPY  
 CO 17.9 TPY  
 VOC 1.17 TPY  
 SO2 0.13 TPY  
 PM/PM10 1.62 TPY
- b. When firing No.2 fuel oil, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:  
 NOx 8.43 TPY  
 CO 2.11 TPY  
 SO2 29.5 TPY  
 PM/PM10 0.84 TPY
- c. The design of the emissions unit and the technology associated with the current operating practices will satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08.  
  
 On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.
- d. The design of the emissions unit and the technology associated with the current operating practices will satisfy the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06.  
  
 On February 15, 2005, OAC rule 3745-23-06 was rescinded; therefore, this rule is no longer part of the State regulations. This rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-23-06, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

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II. **Operational Restrictions**

- 1. The permittee shall burn only natural gas and/or No.2 fuel oil in this emissions unit.  
  
 [Authority for term: OAC rules 3745-77-07(A)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- 2. The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I.1 above.

[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]

3. The combined maximum annual No.2 fuel oil usage for sources B006-B010 shall not exceed 842,857 gallons based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.

[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]

4. The maximum annual natural gas usage for emissions units B006-B010 shall not exceed 426.5 mmcf, based upon a rolling, 12-month summation of the natural gas usage rate figures.

[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]

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### III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or No.2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

2. The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

#### a. Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

#### b. Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E)(3), 3745-18-04(F) and 3745-31-05(A)(3) and PTI#13-03759]

3. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Cleveland DAQ.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

4. The permittee shall maintain monthly records of the following information for emissions units B006-B010 combined:

- a. the No.2 fuel oil usage rate for each month, in gallons;
- b. the rolling, 12-month summation of the No.2 fuel oil usage rates;
- c. the amount of natural gas burned for each month, in mmcf; and
- d. the rolling, 12-month summation of natural gas burned in these emissions units.

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]

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### IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

2. The permittee shall notify the Cleveland DAQ in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Cleveland DAQ within 45 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

3. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the rolling, 12-month No.2 fuel oil usage limitation. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

4. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the rolling, 12-month natural gas usage limitation. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

5. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation -  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method(s) -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9 when burning number two fuel oil.

[Authority for term: OAC rules 3745-17-03(B)(1), 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- b. Emission Limitation -  
2.36 lbs/hr of NOx emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for NOx (100 lbs NOx/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- c. Emission Limitation -  
21.3 TPY of NOx emissions when burning natural gas (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for NOx (100 lbs NOx/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- d. Emission Limitation -  
1.98 lbs/hr of CO emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for CO (84 lbs CO/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- e. Emission Limitation -  
17.9 TPY of CO emissions when burning natural gas (combined for B006 - B010)

## Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for CO (84 lbs CO/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

## f. Emission Limitation -

0.13 lb/hr of VOC emissions when burning natural gas

## Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for VOC (5.5 lbs VOC/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25 or 25A.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

## g. Emission Limitation -

1.17 TPY of VOC emissions when burning natural gas (combined for B006 - B010)

## Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs VOC/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

## h. Emission Limitation -

0.01 lb/hr of SO<sub>2</sub> emissions when burning natural gas

## Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for SO<sub>2</sub> (0.6 lbs SO<sub>2</sub>/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

## i. Emission Limitation -

0.13 TPY of SO<sub>2</sub> emissions when burning natural gas (combined for B006 - B010)

## Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for SO<sub>2</sub> (0.6 lbs SO<sub>2</sub>/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

## j. Emission Limitation -

0.18 lb/hr of PM/PM<sub>10</sub> emissions when burning natural gas

## Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for PM/PM<sub>10</sub> (7.6 lbs PM/PM<sub>10</sub>/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and 202.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

## k. Emission Limitation -

1.62 TPY of PM/PM<sub>10</sub> emissions when burning natural gas (combined for B006 - B010)

## Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for PM/PM<sub>10</sub> (7.6 lbs PM/PM<sub>10</sub>/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- I. Emission Limitation -  
3.37 lbs/hr of NOx emissions when burning No.2 fuel oil
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) emission factor for NOx (20 lbs/1000 gals).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- m. Emission Limitation -  
8.43 TPY of NOx emissions when burning No.2 fuel oil (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- n. Emission Limitation -  
0.84 lb/hr of CO emissions when burning No.2 fuel oil
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) for CO (5 lbs/1000 gals).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- o. Emission Limitation -  
2.11 TPY of CO emissions when burning No.2 fuel oil (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- p. Emission Limitation -  
0.34 lb/hr of PM/PM10 emissions when burning No.2 fuel oil
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) for PM/PM10 (2 lbs/1000 gals).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- q. Emission Limitation -  
0.84 TPY of PM/PM10 emissions when burning No.2 fuel oil (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- r. Emission Limitation -  
0.5 lb/mmBtu of SO2 emissions when burning No.2 fuel oil
- Applicable Compliance Method -  
Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E) and 3745-31-05(A)(3) and PTI#13-03759]

- s. Emission Limitation -  
29.5 TPY of SO<sub>2</sub> emissions when burning No.2 fuel oil (combined for B006 - B010)

Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the 0.5 lb/mmBtu of SO<sub>2</sub> emission limitation by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs). Therefore, compliance with the TPY emission limitation shall be assumed provided compliance is shown with the lb/mmBtu emission limitation and the rolling, 12-month No.2 fuel oil usage limitation.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- t. Emission Limitation-  
From burning natural gas  
21.3 TPY NO<sub>x</sub> as a 12-month rolling summation

Applicable Compliance Method -  
Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for NO<sub>x</sub> (100 lbs NO<sub>x</sub>/mmcf) by the rolling, 12-month summation of the natural gas usage rates for emissions units B006-B010 combined (mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- u. Emission Limitation -  
From burning No.2 fuel oil:  
29.5 TPY SO<sub>2</sub> as a 12-month rolling summation

Applicable Compliance Method -  
Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the lb/mmBtu emission limitation for SO<sub>2</sub> (as demonstrated through the applicable compliance method outlined in Section A.V.1.r) by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the rolling, 12-month summation of the No.2 fuel oil usage rates for emissions units B006-B010 combined (gallons) and the factor (1.0 ton/2000 lbs). Therefore, compliance with the TPY emission limitation shall be assumed provided compliance is shown with the lb/mmBtu emission limitation and the rolling, 12-month No.2 fuel oil usage limitation.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- v. Emission Limitation -  
From burning No.2 fuel oil:  
8.43 TPY NO<sub>x</sub> as a 12-month rolling summation

Applicable Compliance Method -  
Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) emission factor for NO<sub>x</sub> (20 lb/1000 gal) by the rolling, 12-month summation of the No.2 fuel oil usage rates for emissions units B006-B010 combined (gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

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VI. **Miscellaneous Requirements**

- Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the monitoring and record keeping, reporting, and testing requirements contained in this Title V permit are as stringent as or more stringent than the monitoring and record keeping, reporting, and testing requirements contained in Permit to Install 13-03759. The monitoring and record keeping, reporting, and testing requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping, reporting, and testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping, reporting, and testing requirements in the Permit to Install.

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Facility ID: 1318002965 Emissions Unit ID: B007 Issuance type: Title V Proposed Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

|   | <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---|--------------------------------------|--|
| <b>2. Additional Terms and Conditions</b> |   |                                      |  |
| 1.  | None  |                                      |  |

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**II. Operational Restrictions**

- 1. None

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**III. Monitoring and/or Record Keeping Requirements**

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 1318002965 Emissions Unit ID: B008 Issuance type: Title V Proposed Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u>            | <u>Applicable Rules/Requirements</u>   | <u>Applicable Emissions Limitations/Control Measures</u>  |
|--|--|---|
| 23.6 mmBtu/hr natural gas-fired boiler, No.2 oil standby | OAC rule 3745-31-05(A)(3)<br>(PTI#13-03759 issued 3/1/2001)  | From burning natural gas:<br>2.36 lbs/hr NOx emissions<br>1.98 lbs/hr CO emissions<br>0.13 lb/hr VOC emissions<br>0.01 lb/hr SO2 emissions<br>0.18 lb/hr of PM/PM10 emissions<br>See Section A.I.2.a below.                             |
|  |  | From burning No.2 fuel oil:<br>3.37 lbs/hr NOx emissions<br>0.84 lb/hr CO emissions<br>0.34 lb/hr of PM/PM10 emissions<br>See Section A.I.2.b below.  |
|  |  | The requirements established pursuant to this rule also include the requirements of OAC rules 3745-21-08(B), 3745-23-06(B), 3745-17-07(A) and 3745-31-05(C) and 40 CFR Part 60, Subpart Dc.   |
|  | OAC rule 3745-17-07(A)   | Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.   |
|  | OAC rule 3745-17-10(B)(1)  | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).  |
|  | OAC rule 3745-18-06(D)   | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart Dc.   |
|  | 40 CFR Part 60, Subpart Dc<br>OAC rule 3745-31-05(C)<br>(PTI#13-03759 issued 3/1/2001)<br>Synthetic Minor to avoid PSD | 0.5 lb/mmBtu of SO2 emissions<br>When firing natural gas:<br>21.3 TPY NOx as a 12-month rolling summation<br>When firing No.2 fuel oil:<br>29.5 TPY SO2 as a 12-month rolling summation<br>8.43 TPY NOx as a 12-month rolling summation |
| OAC rule 3745-21-08(B)                                   | See Section A.I.2.c below.   |   |
| OAC rule 3745-23-06(B)                                   | See Section A.I.2.d below.   |   |

2. **Additional Terms and Conditions**

- a. When firing natural gas, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:
  - (a) NOx 21.3 TPY  
CO 17.9 TPY  
VOC 1.17 TPY  
SO2 0.13 TPY  
PM/PM10 1.62 TPY
- b. When firing No.2 fuel oil, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:  
NOx 8.43 TPY  
CO 2.11 TPY  
SO2 29.5 TPY  
PM/PM10 0.84 TPY
- c. The design of the emissions unit and the technology associated with the current operating practices will satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08.  
  
On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.
- d. The design of the emissions unit and the technology associated with the current operating practices will satisfy the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06.  
  
On February 15, 2005, OAC rule 3745-23-06 was rescinded; therefore, this rule is no longer part of the State regulations. This rule revision was submitted to the U.S. EPA as a revision to Ohio's State

Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-23-06, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

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**II. Operational Restrictions**

1. The permittee shall burn only natural gas and/or No.2 fuel oil in this emissions unit.  
[Authority for term: OAC rules 3745-77-07(A)(1) and 3745-31-05(A)(3) and PTI#13-03759]
2. The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I.1 above.  
[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]
3. The combined maximum annual No.2 fuel oil usage for sources B006-B010 shall not exceed 842,857 gallons based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.  
[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]
4. The maximum annual natural gas usage for emissions units B006-B010 shall not exceed 426.5 mmcf, based upon a rolling, 12-month summation of the natural gas usage rate figures.  
[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]

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**III. Monitoring and/or Record Keeping Requirements**

1. For each day during which the permittee burns a fuel other than natural gas and/or No.2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.  
[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
2. The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.
  - a. Alternative 1:  
For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.
  - b. Alternative 2:  
The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)  
[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E)(3), 3745-18-04(F) and 3745-31-05(A)(3) and PTI#13-03759]
3. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Cleveland DAQ.  
[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
4. The permittee shall maintain monthly records of the following information for emissions units B006-B010 combined:
  - a. the No.2 fuel oil usage rate for each month, in gallons;
  - b. the rolling, 12-month summation of the No.2 fuel oil usage rates;
  - c. the amount of natural gas burned for each month, in mmcf; and
  - d. the rolling, 12-month summation of natural gas burned in these emissions units.
 [Authority for term: OAC rules 3745-77-07(C)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]

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**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.  
  
[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
2. The permittee shall notify the Cleveland DAQ in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Cleveland DAQ within 45 days after the deviation occurs.  
  
[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
3. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the rolling, 12-month No.2 fuel oil usage limitation. Each report shall be submitted within 30 days after the deviation occurs.  
  
[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
4. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the rolling, 12-month natural gas usage limitation. Each report shall be submitted within 30 days after the deviation occurs.  
  
[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
5. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.  
  
[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

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**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. Emission Limitation -  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.  
  
Applicable Compliance Method(s) -  
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9 when burning number two fuel oil.  
  
[Authority for term: OAC rules 3745-17-03(B)(1), 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
  - b. Emission Limitation -  
2.36 lbs/hr of NOx emissions when burning natural gas  
  
Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for NOx (100 lbs NOx/mmcf).  
  
If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.  
  
[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
  - c. Emission Limitation -  
21.3 TPY of NOx emissions when burning natural gas (combined for B006 - B010)  
  
Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for NOx (100 lbs NOx/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).  
  
[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
  - d. Emission Limitation -  
1.98 lbs/hr of CO emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for CO (84 lbs CO/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

e. Emission Limitation -

17.9 TPY of CO emissions when burning natural gas (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for CO (84 lbs CO/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

f. Emission Limitation -

0.13 lb/hr of VOC emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for VOC (5.5 lbs VOC/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25 or 25A.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

g. Emission Limitation -

1.17 TPY of VOC emissions when burning natural gas (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs VOC/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

h. Emission Limitation -

0.01 lb/hr of SO<sub>2</sub> emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for SO<sub>2</sub> (0.6 lbs SO<sub>2</sub>/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

i. Emission Limitation -

0.13 TPY of SO<sub>2</sub> emissions when burning natural gas (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for SO<sub>2</sub> (0.6 lbs SO<sub>2</sub>/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

j. Emission Limitation -

0.18 lb/hr of PM/PM<sub>10</sub> emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for PM/PM<sub>10</sub> (7.6 lbs PM/PM<sub>10</sub>/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance

with 40 CFR Part 60, Appendix A, Methods 1 through 5 and 202.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

k. Emission Limitation -

1.62 TPY of PM/PM10 emissions when burning natural gas (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for PM/PM10 (7.6 lbs PM/PM10/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

l. Emission Limitation -

3.37 lbs/hr of NOx emissions when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) emission factor for NOx (20 lbs/1000 gals).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

m. Emission Limitation -

8.43 TPY of NOx emissions when burning No.2 fuel oil (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

n. Emission Limitation -

0.84 lb/hr of CO emissions when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) for CO (5 lbs/1000 gals).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

o. Emission Limitation -

2.11 TPY of CO emissions when burning No.2 fuel oil (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

p. Emission Limitation -

0.34 lb/hr of PM/PM10 emissions when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) for PM/PM10 (2 lbs/1000 gals).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

q. Emission Limitation -

0.84 TPY of PM/PM10 emissions when burning No.2 fuel oil (combined for B006 - B010)

## Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- r. Emission Limitation -  
0.5 lb/mmBtu of SO<sub>2</sub> emissions when burning No.2 fuel oil

## Applicable Compliance Method -

Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E) and 3745-31-05(A)(3) and PTI#13-03759]

- s. Emission Limitation -  
29.5 TPY of SO<sub>2</sub> emissions when burning No.2 fuel oil (combined for B006 - B010)

## Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the 0.5 lb/mmBtu of SO<sub>2</sub> emission limitation by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs). Therefore, compliance with the TPY emission limitation shall be assumed provided compliance is shown with the lb/mmBtu emission limitation and the rolling, 12-month No.2 fuel oil usage limitation.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- t. Emission Limitation -  
From burning natural gas  
21.3 TPY NO<sub>x</sub> as a 12-month rolling summation

## Applicable Compliance Method -

Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for NO<sub>x</sub> (100 lbs NO<sub>x</sub>/mmcf) by the rolling, 12-month summation of the natural gas usage rates for emissions units B006-B010 combined (mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- u. Emission Limitation -  
From burning No.2 fuel oil:  
29.5 TPY SO<sub>2</sub> as a 12-month rolling summation

## Applicable Compliance Method -

Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the lb/mmBtu emission limitation for SO<sub>2</sub> (as demonstrated through the applicable compliance method outlined in Section A.V.1.r) by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the rolling, 12-month summation of the No.2 fuel oil usage rates for emissions units B006-B010 combined (gallons) and the factor (1.0 ton/2000 lbs). Therefore, compliance with the TPY emission limitation shall be assumed provided compliance is shown with the lb/mmBtu emission limitation and the rolling, 12-month No.2 fuel oil usage limitation.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- v. Emission Limitation -  
From burning No.2 fuel oil:  
8.43 TPY NO<sub>x</sub> as a 12-month rolling summation

## Applicable Compliance Method -

Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) emission factor for NO<sub>x</sub> (20 lb/1000 gal) by the rolling, 12-month summation of the No.2 fuel oil usage rates for emissions units B006-B010 combined (gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

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VI. **Miscellaneous Requirements**

1. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the monitoring and record keeping, reporting, and testing

requirements contained in this Title V permit are as stringent as or more stringent than the monitoring and record keeping, reporting, and testing requirements contained in Permit to Install 13-03759. The monitoring and record keeping, reporting, and testing requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping, reporting, and testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping, reporting, and testing requirements in the Permit to Install.

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Facility ID: 1318002965 Emissions Unit ID: B008 Issuance type: Title V Proposed Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

|   | <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---|--------------------------------------|--|
| 2. <b>Additional Terms and Conditions</b> |   |                                      |  |
| 1.  | None  |                                      |  |

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**II. Operational Restrictions**

- 1. None

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**III. Monitoring and/or Record Keeping Requirements**

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 1318002965 Emissions Unit ID: B009 Issuance type: Title V Proposed Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u>            | <u>Applicable Rules/Requirements</u>                     | <u>Applicable Emissions Limitations/Control Measures</u>  |
|--|--|---|
| 23.6 mmBtu/hr natural gas-fired boiler, No.2 oil standby | OAC rule 3745-31-05(A)(3) (PTI#13-03759 issued 3/1/2001) | From burning natural gas:<br>2.36 lbs/hr NOx emissions<br>1.98 lbs/hr CO emissions<br>0.13 lb/hr VOC emissions<br>0.01 lb/hr SO2 emissions<br>0.18 lb/hr of PM/PM10 emissions<br>See Section A.I.2.a below. |
|  |  | From burning No.2 fuel oil:<br>3.37 lbs/hr NOx emissions<br>0.84 lb/hr CO emissions<br>0.34 lb/hr of PM/PM10 emissions<br>See Section A.I.2.b below.  |
|  |  | The requirements established pursuant to this rule also include the requirements of OAC rules 3745-21-08(B), 3745-23-06(B), 3745-17-07(A) and 3745-31-05(C) and 40 CFR Part 60, Subpart Dc.                 |
|  |  | OAC rule 3745-17-07(A)<br>Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.   |
|  |  | OAC rule 3745-17-10(B)(1)<br>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).                               |
|  |  | OAC rule 3745-18-06(D)<br>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart Dc.                                 |
|  |  | 40 CFR Part 60, Subpart Dc<br>0.5 lb/mmBtu of SO2 emissions   |
|  |  | OAC rule 3745-31-05(C) (PTI#13-03759 issued 3/1/2001)<br>Synthetic Minor to avoid PSD   |
|  |  | When firing natural gas:<br>21.3 TPY NOx as a 12-month rolling summation  |
|  |  | When firing No.2 fuel oil:<br>29.5 TPY SO2 as a 12-month rolling summation<br>8.43 TPY NOx as a 12-month rolling summation  |
| OAC rule 3745-21-08(B)<br>See Section A.I.2.c below.     |  |   |
| OAC rule 3745-23-06(B)<br>See Section A.I.2.d below.     |  |   |

**2. Additional Terms and Conditions**

- a. When firing natural gas, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:
  - (a) NOx 21.3 TPY  
CO 17.9 TPY  
VOC 1.17 TPY  
SO2 0.13 TPY  
PM/PM10 1.62 TPY
- b. When firing No.2 fuel oil, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:
  - NOx 8.43 TPY  
CO 2.11 TPY  
SO2 29.5 TPY  
PM/PM10 0.84 TPY
- c. The design of the emissions unit and the technology associated with the current operating practices will

satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- d. The design of the emissions unit and the technology associated with the current operating practices will satisfy the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06.

On February 15, 2005, OAC rule 3745-23-06 was rescinded; therefore, this rule is no longer part of the State regulations. This rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-23-06, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

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**II. Operational Restrictions**

1. The permittee shall burn only natural gas and/or No.2 fuel oil in this emissions unit.  
[Authority for term: OAC rules 3745-77-07(A)(1) and 3745-31-05(A)(3) and PTI#13-03759]
2. The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I.1 above.  
[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]
3. The combined maximum annual No.2 fuel oil usage for sources B006-B010 shall not exceed 842,857 gallons based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.  
[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]
4. The maximum annual natural gas usage for emissions units B006-B010 shall not exceed 426.5 mmcf, based upon a rolling, 12-month summation of the natural gas usage rate figures.  
[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]

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**III. Monitoring and/or Record Keeping Requirements**

1. For each day during which the permittee burns a fuel other than natural gas and/or No.2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.  
[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
2. The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.
  - a. Alternative 1:  
  
For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.
  - b. Alternative 2:  
  
The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)  
  
[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E)(3), 3745-18-04(F) and 3745-31-05(A)(3) and PTI#13-03759]
3. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as,

ASTM methods D240 and D4294), or equivalent methods as approved by the Cleveland DAQ.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

4. The permittee shall maintain monthly records of the following information for emissions units B006-B010 combined:
  - a. the No.2 fuel oil usage rate for each month, in gallons;
  - b. the rolling, 12-month summation of the No.2 fuel oil usage rates;
  - c. the amount of natural gas burned for each month, in mmcf; and
  - d. the rolling, 12-month summation of natural gas burned in these emissions units.

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]

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#### IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

2. The permittee shall notify the Cleveland DAQ in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Cleveland DAQ within 45 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

3. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the rolling, 12-month No.2 fuel oil usage limitation. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

4. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the rolling, 12-month natural gas usage limitation. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

5. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

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#### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation -  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method(s) -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9 when burning number two fuel oil.

[Authority for term: OAC rules 3745-17-03(B)(1), 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- b. Emission Limitation -  
2.36 lbs/hr of NOx emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for NOx (100 lbs NOx/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- c. Emission Limitation -  
21.3 TPY of NOx emissions when burning natural gas (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for NOx (100 lbs NOx/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- d. Emission Limitation -  
1.98 lbs/hr of CO emissions when burning natural gas
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for CO (84 lbs CO/mmcf).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- e. Emission Limitation -  
17.9 TPY of CO emissions when burning natural gas (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for CO (84 lbs CO/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- f. Emission Limitation -  
0.13 lb/hr of VOC emissions when burning natural gas
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for VOC (5.5 lbs VOC/mmcf).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25 or 25A.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- g. Emission Limitation -  
1.17 TPY of VOC emissions when burning natural gas (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs VOC/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- h. Emission Limitation -  
0.01 lb/hr of SO2 emissions when burning natural gas
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for SO2 (0.6 lbs SO2/mmcf).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- i. Emission Limitation -  
0.13 TPY of SO2 emissions when burning natural gas (combined for B006 - B010)
- Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for SO<sub>2</sub> (0.6 lbs SO<sub>2</sub>/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- j. Emission Limitation -  
0.18 lb/hr of PM/PM10 emissions when burning natural gas
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for PM/PM10 (7.6 lbs PM/PM10/mmcf).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and 202.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- k. Emission Limitation -  
1.62 TPY of PM/PM10 emissions when burning natural gas (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for PM/PM10 (7.6 lbs PM/PM10/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- l. Emission Limitation -  
3.37 lbs/hr of NOx emissions when burning No.2 fuel oil
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) emission factor for NOx (20 lbs/1000 gals).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- m. Emission Limitation -  
8.43 TPY of NOx emissions when burning No.2 fuel oil (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- n. Emission Limitation -  
0.84 lb/hr of CO emissions when burning No.2 fuel oil
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) for CO (5 lbs/1000 gals).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- o. Emission Limitation -  
2.11 TPY of CO emissions when burning No.2 fuel oil (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- p. Emission Limitation -

0.34 lb/hr of PM/PM10 emissions when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) for PM/PM10 (2 lbs/1000 gals).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

q. Emission Limitation -  
0.84 TPY of PM/PM10 emissions when burning No.2 fuel oil (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

r. Emission Limitation -  
0.5 lb/mmBtu of SO2 emissions when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E) and 3745-31-05(A)(3) and PTI#13-03759]

s. Emission Limitation -  
29.5 TPY of SO2 emissions when burning No.2 fuel oil (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the 0.5 lb/mmBtu of SO2 emission limitation by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs). Therefore, compliance with the TPY emission limitation shall be assumed provided compliance is shown with the lb/mmBtu emission limitation and the rolling, 12-month No.2 fuel oil usage limitation.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

t. Emission Limitation-  
From burning natural gas  
21.3 TPY NOx as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for NOx (100 lbs NOx/mmcf) by the rolling, 12-month summation of the natural gas usage rates for emissions units B006-B010 combined (mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

u. Emission Limitation -  
From burning No.2 fuel oil:  
29.5 TPY SO2 as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the lb/mmBtu emission limitation for SO2 (as demonstrated through the applicable compliance method outlined in Section A.V.1.r) by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the rolling, 12-month summation of the No.2 fuel oil usage rates for emissions units B006-B010 combined (gallons) and the factor (1.0 ton/2000 lbs). Therefore, compliance with the TPY emission limitation shall be assumed provided compliance is shown with the lb/mmBtu emission limitation and the rolling, 12-month No.2 fuel oil usage limitation.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

v. Emission Limitation -  
From burning No.2 fuel oil:  
8.43 TPY NOx as a 12-month rolling summation

Applicable Compliance Method -  
 Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) emission factor for NOx (20 lb/1000 gal) by the rolling, 12-month summation of the No.2 fuel oil usage rates for emissions units B006-B010 combined (gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

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VI. **Miscellaneous Requirements**

1. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the monitoring and record keeping, reporting, and testing requirements contained in this Title V permit are as stringent as or more stringent than the monitoring and record keeping, reporting, and testing requirements contained in Permit to Install 13-03759. The monitoring and record keeping, reporting, and testing requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping, reporting, and testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping, reporting, and testing requirements in the Permit to Install.

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Facility ID: 1318002965 Emissions Unit ID: B009 Issuance type: Title V Proposed Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|--------------------------------------|--|
| 2. <b>Additional Terms and Conditions</b>     |                                      |  |
| 1. None                                       |                                      |  |

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318002965 Emissions Unit ID: B010 Issuance type: Title V Proposed Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u>            | <u>Applicable Rules/Requirements</u>                        | <u>Applicable Emissions Limitations/Control Measures</u>  |
|--|---|---|
| 23.6 mmBtu/hr natural gas-fired boiler, No.2 oil standby | OAC rule 3745-31-05(A)(3)<br>(PTI#13-03759 issued 3/1/2001) | From burning natural gas:<br>2.36 lbs/hr NOx emissions<br>1.98 lbs/hr CO emissions<br>0.13 lb/hr VOC emissions<br>0.01 lb/hr SO2 emissions<br>0.18 lb/hr of PM/PM10 emissions<br>See Section A.I.2.a below. |
|  |   | From burning No.2 fuel oil:<br>3.37 lbs/hr NOx emissions<br>0.84 lb/hr CO emissions<br>0.34 lb/hr of PM/PM10 emissions<br>See Section A.I.2.b below.  |
|  |   | The requirements established pursuant to this rule also include the requirements of OAC rules 3745-21-08(B), 3745-23-06(B), 3745-17-07(A) and 3745-31-05(C) and 40 CFR Part 60, Subpart Dc.                 |
|  | OAC rule 3745-17-07(A)                                      | Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.   |
|  | OAC rule 3745-17-10(B)(1)                                   | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).  |
|  | OAC rule 3745-18-06(D)                                      | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart Dc.   |
|  | 40 CFR Part 60, Subpart Dc                                  | 0.5 lb/mmBtu of SO2 emissions   |
|  | OAC rule 3745-31-05(C)<br>(PTI#13-03759 issued 3/1/2001)    | When firing natural gas:<br>21.3 TPY NOx as a 12-month rolling summation<br>When firing No.2 fuel oil:<br>29.5 TPY SO2 as a 12-month rolling summation<br>8.43 TPY NOx as a 12-month rolling summation      |
|  | Synthetic Minor to avoid PSD                                |   |
|  |   | OAC rule 3745-21-08(B)<br>OAC rule 3745-23-06(B)  |

**2. Additional Terms and Conditions**

- a. When firing natural gas, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:

- (a) NOx 21.3 TPY  
CO 17.9 TPY  
VOC 1.17 TPY  
SO<sub>2</sub> 0.13 TPY  
PM/PM<sub>10</sub> 1.62 TPY
- b. When firing No.2 fuel oil, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:  
NOx 8.43 TPY  
CO 2.11 TPY  
SO<sub>2</sub> 29.5 TPY  
PM/PM<sub>10</sub> 0.84 TPY
- c. The design of the emissions unit and the technology associated with the current operating practices will satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08.
- On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.
- d. The design of the emissions unit and the technology associated with the current operating practices will satisfy the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06.
- On February 15, 2005, OAC rule 3745-23-06 was rescinded; therefore, this rule is no longer part of the State regulations. This rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-23-06, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

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#### II. Operational Restrictions

- The permittee shall burn only natural gas and/or No.2 fuel oil in this emissions unit.  
[Authority for term: OAC rules 3745-77-07(A)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I.1 above.  
[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]
- The combined maximum annual No.2 fuel oil usage for sources B006-B010 shall not exceed 842,857 gallons based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.  
[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]
- The maximum annual natural gas usage for emissions units B006-B010 shall not exceed 426.5 mmcf, based upon a rolling, 12-month summation of the natural gas usage rate figures.  
[Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]

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#### III. Monitoring and/or Record Keeping Requirements

- For each day during which the permittee burns a fuel other than natural gas and/or No.2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.  
[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.
  - Alternative 1:  
For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.
  - Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E)(3), 3745-18-04(F) and 3745-31-05(A)(3) and PTI#13-03759]

3. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Cleveland DAQ.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

4. The permittee shall maintain monthly records of the following information for emissions units B006-B010 combined:

- a. the No.2 fuel oil usage rate for each month, in gallons;
- b. the rolling, 12-month summation of the No.2 fuel oil usage rates;
- c. the amount of natural gas burned for each month, in mmcf; and
- d. the rolling, 12-month summation of natural gas burned in these emissions units.

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-31-05(C) and 3745-31-05(A)(3) and PTI#13-03759]

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#### IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

2. The permittee shall notify the Cleveland DAQ in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Cleveland DAQ within 45 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

3. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the rolling, 12-month No.2 fuel oil usage limitation. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

4. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the rolling, 12-month natural gas usage limitation. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

5. The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

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#### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation - Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method(s) -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9 when burning number two fuel oil.

[Authority for term: OAC rules 3745-17-03(B)(1), 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- b. Emission Limitation -  
2.36 lbs/hr of NOx emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for NOx (100 lbs NOx/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- c. Emission Limitation -  
21.3 TPY of NOx emissions when burning natural gas (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for NOx (100 lbs NOx/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- d. Emission Limitation -  
1.98 lbs/hr of CO emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for CO (84 lbs CO/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- e. Emission Limitation -  
17.9 TPY of CO emissions when burning natural gas (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for CO (84 lbs CO/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- f. Emission Limitation -  
0.13 lb/hr of VOC emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for VOC (5.5 lbs VOC/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25 or 25A.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- g. Emission Limitation -  
1.17 TPY of VOC emissions when burning natural gas (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs VOC/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- h. Emission Limitation -  
0.01 lb/hr of SO2 emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly

natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for SO<sub>2</sub> (0.6 lbs SO<sub>2</sub>/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- i. Emission Limitation -  
0.13 TPY of SO<sub>2</sub> emissions when burning natural gas (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for SO<sub>2</sub> (0.6 lbs SO<sub>2</sub>/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- j. Emission Limitation -  
0.18 lb/hr of PM/PM<sub>10</sub> emissions when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2(7/98) emission factor for PM/PM<sub>10</sub> (7.6 lbs PM/PM<sub>10</sub>/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and 202.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- k. Emission Limitation -  
1.62 TPY of PM/PM<sub>10</sub> emissions when burning natural gas (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for PM/PM<sub>10</sub> (7.6 lbs PM/PM<sub>10</sub>/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- l. Emission Limitation -  
3.37 lbs/hr of NO<sub>x</sub> emissions when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) emission factor for NO<sub>x</sub> (20 lbs/1000 gals).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- m. Emission Limitation -  
8.43 TPY of NO<sub>x</sub> emissions when burning No.2 fuel oil (combined for B006 - B010)

Applicable Compliance Method -

Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- n. Emission Limitation -  
0.84 lb/hr of CO emissions when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) for CO (5 lbs/1000 gals).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- o. Emission Limitation -  
2.11 TPY of CO emissions when burning No.2 fuel oil (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- p. Emission Limitation -  
0.34 lb/hr of PM/PM10 emissions when burning No.2 fuel oil
- Applicable Compliance Method -  
Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1(9/98) for PM/PM10 (2 lbs/1000 gals).
- If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- q. Emission Limitation -  
0.84 TPY of PM/PM10 emissions when burning No.2 fuel oil (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- r. Emission Limitation -  
0.5 lb/mmBtu of SO2 emissions when burning No.2 fuel oil
- Applicable Compliance Method -  
Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.
- If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.
- [Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E) and 3745-31-05(A)(3) and PTI#13-03759]
- s. Emission Limitation -  
29.5 TPY of SO2 emissions when burning No.2 fuel oil (combined for B006 - B010)
- Applicable Compliance Method -  
Compliance with the TPY emission limitation shall be determined by multiplying the 0.5 lb/mmBtu of SO2 emission limitation by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs). Therefore, compliance with the TPY emission limitation shall be assumed provided compliance is shown with the lb/mmBtu emission limitation and the rolling, 12-month No.2 fuel oil usage limitation.
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- t. Emission Limitation-  
From burning natural gas  
21.3 TPY NOx as a 12-month rolling summation
- Applicable Compliance Method -  
Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1(7/98) emission factor for NOx (100 lbs NOx/mmcf) by the rolling, 12-month summation of the natural gas usage rates for emissions units B006-B010 combined (mmcf) and the factor (1.0 ton/2000 lbs).
- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]
- u. Emission Limitation -  
From burning No.2 fuel oil:  
29.5 TPY SO2 as a 12-month rolling summation
- Applicable Compliance Method -

Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the lb/mmBtu emission limitation for SO2 (as demonstrated through the applicable compliance method outlined in Section A.V.1.r) by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the rolling, 12-month summation of the No.2 fuel oil usage rates for emissions units B006-B010 combined (gallons) and the factor (1.0 ton/2000 lbs). Therefore, compliance with the TPY emission limitation shall be assumed provided compliance is shown with the lb/mmBtu emission limitation and the rolling, 12-month No.2 fuel oil usage limitation.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

- v. Emission Limitation -  
From burning No.2 fuel oil:  
8.43 TPY NOx as a 12-month rolling summation

Applicable Compliance Method -  
Compliance with the above limitation shall be based on the record keeping requirement in Section A.III.4. of this permit and determined by multiplying the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) emission factor for NOx (20 lb/1000 gal) by the rolling, 12-month summation of the No.2 fuel oil usage rates for emissions units B006-B010 combined (gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI#13-03759]

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VI. **Miscellaneous Requirements**

- 1. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the monitoring and record keeping, reporting, and testing requirements contained in this Title V permit are as stringent as or more stringent than the monitoring and record keeping, reporting, and testing requirements contained in Permit to Install 13-03759. The monitoring and record keeping, reporting, and testing requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping, reporting, and testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping, reporting, and testing requirements in the Permit to Install.

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**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

|   | <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---|--------------------------------------|--|
| 2. <b>Additional Terms and Conditions</b> |   |                                      |  |
| 1.  | None  |                                      |  |

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None